



Report No.: SZ11110107B01

BLUETOOTH RF TEST REPORT

Issued to

Xingtel Xiamen Group Co., Ltd.

For

iPhone Complimate

Model Name : i-700
Trade Name : iCreation
Standard : Radio Frequency Test Suite Structure(TSS) and Test Purposes(TP)
Specification 1.2/2.0/ 2.0+EDR/2.1/2.1+EDR/3.0/3.0+HS
Test date : 2011.11.17-2011.11.22

Shenzhen MORLAB Communication Technology Co., Ltd.

Tested by Xu Yao

Xu Yao

Date 2011.11.23

Approved by Zeng Dexin

Zeng Dexin

Date

2011.11.23

Review by Shi Jialuan

Shi Jialuan

Date 2011.11.23



CTIA Authorized Test Lab
LAB CODE 20081223-00

IEEE 1725 OTA

OFTA

電訊管理局



GCF Bluetooth®
Official Observer of
Global Certification Forum

BQTF

FCC
Reg. No.
741109

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Change History		
Issue	Date	Reason for change
1.0	2011-11-23	First edition



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1. IDENTIFICATION SUMMARY

1.1. Test Laboratory

Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Address:	3/F, Electronic Testing Building, Shahe Road, Nanshan District,
City:	Shenzhen
Postal code:	518055
Country:	P. R. China
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Contact person:	Mr. Shu Luan
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Competences and guarantees:

Morlab is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, Morlab has a calibration and maintenance programme for its measuring equipment.

Morlab guarantees the reliability of the data presented in this report, which is the result of measurements and tests performed to the item under test on the date and under the conditions stated on the report and is based on the knowledge and technical facilities available at Morlab at the time of execution of the test.

Morlab is liable to the client for the maintenance by its personnel of the confidentiality of all information related to the item under test and the results of the test.

1.2. Client

Name:	Xingtel Xiamen Group Co., Ltd.
Address:	Xingtel Building, Chuangxin Road, Torch Hi-Tech Industrial District, Xiamen 361006, PR China

1.3. Manufacturer

Name:	Xingtel Xiamen Group Co., Ltd.
Address:	Xingtel Building, Chuangxin Road, Torch Hi-Tech Industrial District, Xiamen 361006, PR China

1.4. Implementation Under Test (IUT)

Hw version:	V2.0
Sw version:	V2.3
Description of IUT:	BLK-MD-BC04-B support SPP, HSP, HFP, OPP profiles, designed for bluetooth gateway system, and built in AT commands to communication.
Sampling method:	Samples undergoing test have been selected by: the client

Internal Control No.:	Element:	BT_ADD:	Date Of Reception:
A01	1PCS	001583121831	2011.11.15

1.5. Testing Environment

PICS:	See annex A
Test Results reference:	See item 6
Retention date for log reference:	2 years
Test Requested	Bluetooth RF conformance testing

Test conditions:

NOMINAL

TEMPERATURE IN THE RANGE 15°C TO 35 °C	YES
RELATIVE HUMIDITY IN THE RANGE 20% TO 75 %	YES
AIR PRESSURE IN THE RANGE 86 kPa TO 106 kPa	YES

EXTREME

TEMPERATURE:	MIN -MAX	NOMINAL
	-10.00 to 55.00 °C	15-35 °C
VOLTAGE:	3.60 to 4.20 V.	3.80 V.

2. IUT CONFORMANCE STATUS

This IUT has the following conformance status according to the referenced ATS specification(s).

Static Conformance errors?	NO
Dynamic Conformance errors?	NO

Number of test cases run

PASSED:	55
Failed:	0
Total:	55

3. STATIC CONFORMANCE SUMMARY

The PICS(s) for this IUT is consistent with the static conformance requirements in the referenced base specification(s).

The qualified PICS/PIXIT menu of the test system was defined in accordance with the client.

4. DYNAMIC CONFORMANCE SUMMARY

The test campaign did NOT reveal errors in the IUT.

5. STATIC CONFORMANCE REVIEW REPORT

PICS CORRECT	11
PICS INCORRECT	0
PICS NOT FILLED	0

6. TEST RESULT LIST

BR-RF TEST RESULTS				
Test Case Id	Temperat.	Voltage	Observations	Verdict

TRM/CA/01/C.- Output Power	Nominal	Nominal	Temp.- Rel.Humidity.-	Pass
	Minimum	Minimum	Temp.- Rel.Humidity.-	Pass
	Minimum	Maximum	Temp.- Rel.Humidity.-	Pass
	Maximum	Minimum	Temp.- Rel.Humidity.-	Pass
	Maximum	Maximum	Temp.- Rel.Humidity.-	Pass
TRM/CA/02/C.- Power density	Nominal	Nominal	Temp.- Rel.Humidity.-	Pass
	Minimum	Minimum	Temp.- Rel.Humidity.-	Pass
	Minimum	Maximum	Temp.- Rel.Humidity.-	Pass
	Maximum	Minimum	Temp.- Rel.Humidity.-	Pass
	Maximum	Maximum	Temp.- Rel.Humidity.-	Pass
TRM/CA/03/C.- Power Control	Nominal	Nominal	Temp.- Rel.Humidity.-	Pass
TRM/CA/04/C.- Output Spectrum	Nominal	Nominal	Temp.- Rel.Humidity.-	Pass
	Minimum	Minimum	Temp.- Rel.Humidity.-	Pass
	Minimum	Maximum	Temp.- Rel.Humidity.-	Pass
	Maximum	Minimum	Temp.- Rel.Humidity.-	Pass
	Maximum	Maximum	Temp.- Rel.Humidity.-	Pass
TRM/CA/05/C.- Output Spectrum - 20 dB Bandwidth	Nominal	Nominal	Temp.- Rel.Humidity.-	Pass
	Minimum	Minimum	Temp.- Rel.Humidity.-	Pass
	Minimum	Maximum	Temp.- Rel.Humidity.-	Pass
	Maximum	Minimum	Temp.- Rel.Humidity.-	Pass
	Maximum	Maximum	Temp.- Rel.Humidity.-	Pass
TRM/CA/06/C.- OutputSpectrum-Adjacent channel power	Nominal	Nominal	Temp.- Rel.Humidity.-	Pass
	Minimum	Minimum	Temp.- Rel.Humidity.-	Pass
	Minimum	Maximum	Temp.- Rel.Humidity.-	Pass
	Maximum	Minimum	Temp.- Rel.Humidity.-	Pass
	Maximum	Maximum	Temp.- Rel.Humidity.-	Pass
TRM/CA/07/C.- Modulation Characteristics	Nominal	Nominal	Temp.- Rel.Humidity.-	Pass
	Minimum	Minimum	Temp.-	Pass

			Rel.Humidity.-	
	Minimum	Maximum	Temp.- Rel.Humidity.-	Pass
	Maximum	Minimum	Temp.- Rel.Humidity.-	Pass
	Maximum	Maximum	Temp.- Rel.Humidity.-	Pass
TRM/CA/08/C.- Initial Carrier Frequency Tolerance	Nominal	Nominal	Temp.- Rel.Humidity.-	Pass
	Minimum	Minimum	Temp.- Rel.Humidity.-	Pass
	Minimum	Maximum	Temp.- Rel.Humidity.-	Pass
	Maximum	Minimum	Temp.- Rel.Humidity.-	Pass
	Maximum	Maximum	Temp.- Rel.Humidity.-	Pass
TRM/CA/09/C.- Carrier Frequency Drift	Nominal	Nominal	Temp.- Rel.Humidity.-	Pass
	Minimum	Minimum	Temp.- Rel.Humidity.-	Pass
	Minimum	Maximum	Temp.- Rel.Humidity.-	Pass
	Maximum	Minimum	Temp.- Rel.Humidity.-	Pass
	Maximum	Maximum	Temp.- Rel.Humidity.-	Pass
RCV/CA/01/C.- Sensitivity - single slot packets	Nominal	Nominal	Temp.- Rel.Humidity.-	Pass
	Minimum	Minimum	Temp.- Rel.Humidity.-	Pass
	Minimum	Maximum	Temp.- Rel.Humidity.-	Pass
	Maximum	Minimum	Temp.- Rel.Humidity.-	Pass
	Maximum	Maximum	Temp.- Rel.Humidity.-	Pass
RCV/CA/02/C.- Sensitivity - multi-slot packets	Nominal	Nominal	Temp.- Rel.Humidity.-	Pass
	Minimum	Minimum	Temp.- Rel.Humidity.-	Pass
	Minimum	Maximum	Temp.- Rel.Humidity.-	Pass
	Maximum	Minimum	Temp.- Rel.Humidity.-	Pass
	Maximum	Maximum	Temp.- Rel.Humidity.-	Pass
RCV/CA/03/C.- C/I performance	Nominal	Nominal	Temp.- Rel.Humidity.-	Pass
RCV/CA/04/C.- Blocking performance	Nominal	Nominal	Temp.- Rel.Humidity.-	Pass
RCV/CA/05/C.- Intermodulation performance	Nominal	Nominal	Temp.- Rel.Humidity.-	Pass
RCV/CA/06/C.- Maximum input level	Nominal	Nominal	Temp.- Rel.Humidity.-	Pass



Annex A. PICS

Item	Capability	Reference	Status	Support: YES or NO
1	Power Class = 1	RF, 3	M.1	NO
2	Power Class = 2	RF, 3	M.1	YES
3	Power Class = 3	RF, 3	M.1	NO
4	Power Control	RF, 3	C.1	YES
5	1-slot packets supported	RF, 3.3	M	YES
6	3-slot packets supported	RF, 3.3	O	YES
7	5-slot packets supported	RF, 3.3	O	YES
8	79 Channels	RF, 2	M	YES
9	Support for GFSK modulation	RF, 3.1	M	YES
10	Support for pi/4-DQPSK modulation	RF, 3.2	C.2	YES
11	Support for 8DPSK modulation	RF, 3.3	C.2	YES

M.1: Must choose One and only One Power Class

C.1: Mandatory to support IF Power Class 1 is supported, ELSE Optional

C.2: Mandatory IF SUM (21/4) OR SUM (21/6) is claimed, Optional IF SUM (21/3) OR SUM (21/5) is claimed, Excluded otherwise.

C.3: Mandatory IF SUM (21/4) OR SUM (21/6) is claimed, Optional IF RF(1/8) AND (SUM (21/3) OR SUM (21/5)) are claimed. Excluded otherwise.

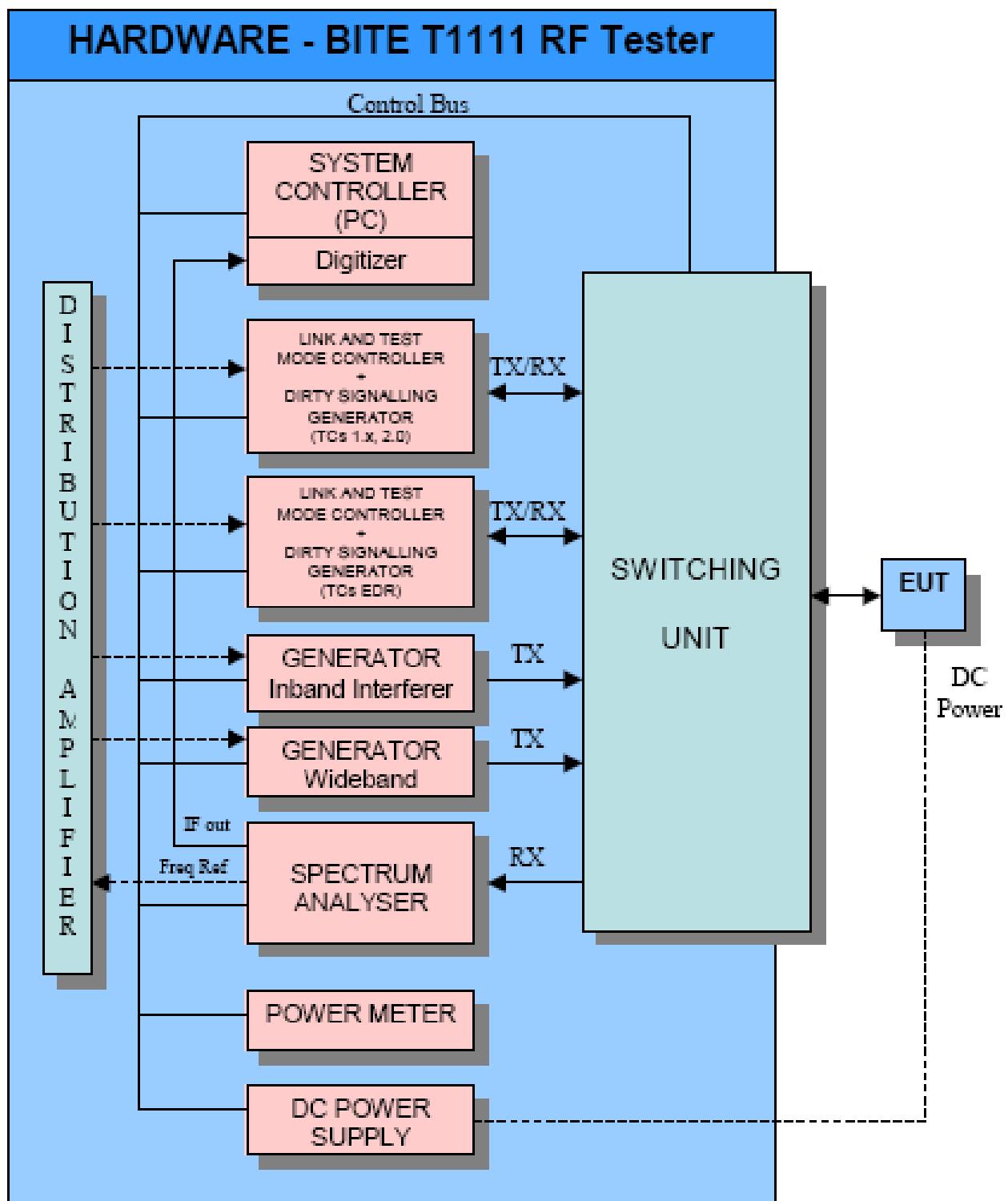


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Annex B. TEST SYSTEM

Equipment Name	Serial No.	Type	Manufacturer	Calibrate Date
BITE T1111				
Spectrum Analyser	MY45115515	E7405A	AGILENT	2011.05
RF Signal Generator	MY45095851	E4438C	AGILENT	2011.05
Wideband Generator	MY47461226	8257D	AGILENT	2011.05
RF power meter	MY45102093	E4416A	AGILENT	2011.05
Power Sensor	MY41091238	8485D	AGILENT	2011.05
Power Sensor	MY4109553	8482A	AGILENT	2011.05
DC Power supply	MY43005311	66311B	AGILENT	2011.05
Signalling Unit	803003	MT8852B	Anritsu	2011.05
Industrial PC		TEMPEL	Advantech	--
Switching unit	E1210000016	E1210	AT4wireless	--
Signalling unit	E1111000130	E1111	AT4wireless	2011.05
Frequency Distributor Amplifier	26	10054	Timetech	--
BR test software	--	BITE RF Tester (SW ver 1.3.11)	AT4wireless	--
EDR test software	--	Test Manager 2.0	AT4wireless	--

Annex C. TEST SETUP

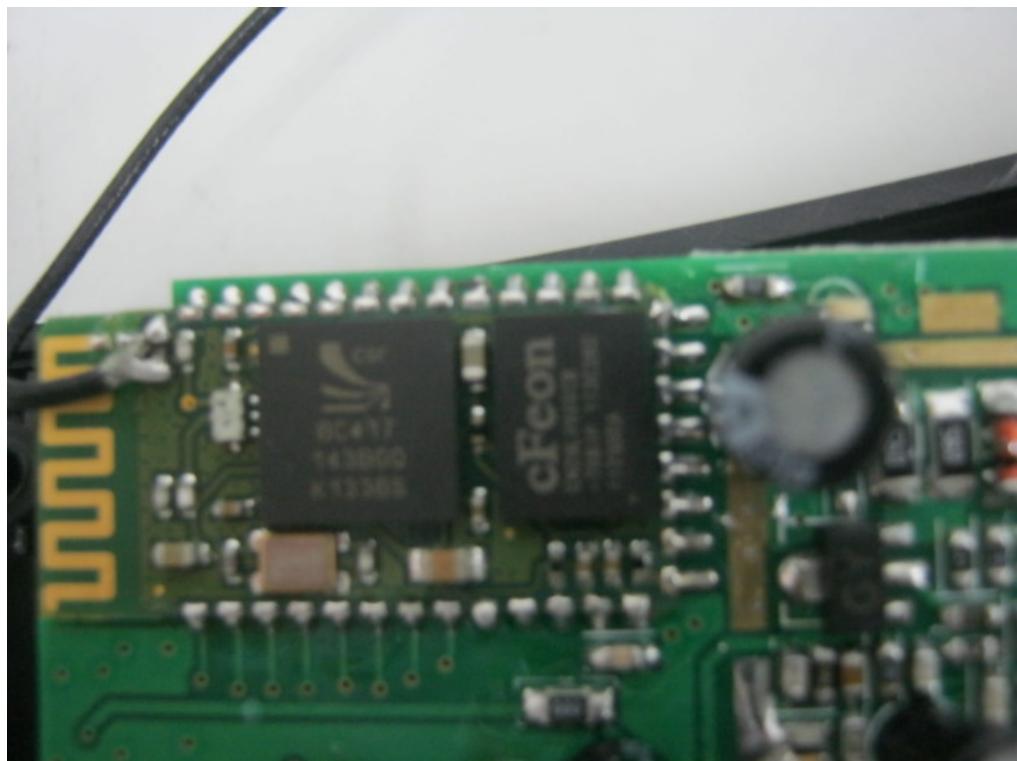


Annex D. EUT PHOTO









=====END of report=====